

ADAPTATION DATA, PRODUCT 20 CHANGE IN THE RADAR PRODUCT GENERATION (RPG)

DOPPLER METEOROLOGICAL RADAR WSR-88D



DoD Distribution Statement A - Approved for public release; distribution is unlimited.

PUBLISHED UNDER AUTHORITY OF THE SECRETARIES OF
COMMERCE, THE AIR FORCE, THE NAVY, AND TRANSPORTATION

Issuance Number: EHB-6-98-04
Issuance Date: 11 February 1998
DoD/NWS Rescission Date: 1 April 1999

NWS: EHB-6, Software Note 12
DoD: Memo-002
FAA: EEM Modification Handbook 6345.1 CHG 1, Chap 2

NWS APPROVAL:

//signed//

_____ **Date** _____

John McNulty
Chief, Engineering Division

FAA APPROVAL:

//signed//

_____ **Date** _____

George W. Terrell
Program Director for Operational Support

DoD APPROVAL:

BY ORDER OF THE SECRETARY OF THE AIR FORCE
MICHAEL E. RYAN, General, USAF
Chief of Staff

//signed//

_____ **Date** _____

Edward L. Berkowitz, Chief
System Support Branch
Operational Support Facility
TOMA

NWS: EHB-6, Software Note 12
DoD: Memo-002
FAA: EEM Modification Handbook 6345.1 CHG 1, Chap 2

1. SUBJECT

Adaptation Data, Product 20 Change in the Radar Product Generation (RPG)

2. PURPOSE

The purpose of this routine modification is to add an additional product to the Other Users product set. The lowest tilt, 1.1 nautical mile (nm), 248 nm range base reflectivity product (product 20) for Clear Air Mode (Mode B) is added to the list of products distributed to Other Users (NIDS vendors). This document is issued as a result of an Operational Support Facility (OSF) Configuration Change Request (CCR) NA97-26801.

This addition must be completed before Software Build 10.0 can be loaded.

Collocated RPG/RDA and Non-Collocated RPG sites require two technicians to perform installation, one at the Unit Control Position (UCP) and the other at the Radar Data Acquisition (RDA).

For additional information concerning this adaptation data change, contact the Operational Support Facility, System Support Branch, Norman, Oklahoma; phone number: (405) 366-6540 ext 3229.

3. SITES AFFECTED

This modification applies to all WSR-88D RPG sites.

4. ESTIMATED COMPLETION DATE

The target completion date of this modification is 30 days after receipt of the modification document.

5. EQUIPMENT AFFECTED

Radar Product Generation (RPG) Group.

6. SOFTWARE AFFECTED

RPG, CPCI-03

7. MODIFICATION ACCOMPLISHED BY

Site electronic systems analysts and/or electronic technicians will accomplish this modification. Two analysts/technicians may be required to perform these procedures.

8. MATERIAL REQUIRED

Not applicable.

9. SOURCE OF MATERIALS

Not applicable.

10. SPECIAL TOOLS AND TEST EQUIPMENT REQUIRED (SOFTWARE)

Not applicable.

11. TIME AND PERSONNEL REQUIRED

1 staff-hour for RPG installation.
2 staff-hours for Redundant RPG installation.

12. DOCUMENTS AFFECTED

WSR-88D Operator Handbook, Guide on Adaptable Parameters-Vol 1-RDA, TP-4, dated January 30, 1998.

13. VERIFICATION STATEMENT

This modification was successfully installed at the Operational Support Facility (OSF).

14. DISPOSITION OF SOFTWARE TAPES

After successfully completing the adaptation data change, keep a backup copy of current adaptation data files.

15. PROCEDURES

Perform procedures in attachment 1.

FAA: Coordinate the shutdown with the appropriate air traffic control personnel, and perform the procedures that pertain to your sites. RPG sites perform the procedures on both channels.

16. FAA DISTRIBUTION

This directive is distributed to selected offices and services within Washington headquarters, the William J. Hughes Technical Center, the Mike Monroney Aeronautical Center, regional Airway Facilities divisions, and Airway Facilities field offices having the following facilities/equipment: NXRAD.

17. CHANGES TO TABLE OF CONTENTS (FAA):

Not applicable.

18. RECOMMENDATIONS FOR CHANGES (FAA):

Not applicable.

19. REPORTING INSTRUCTIONS

a. NWS:

Report completed modification on WS Form A-26, Engineering Management Reporting System Maintenance Record, according to instructions in EHB-4, Part 2, using reporting code RPG for a system site or PUP for a PUP site. Also, record the modification number in block 17(a) as S12 (see attachment 3 for a completed sample of WS Form A-26).

b. DoD:

Update the AFTO Form 95 to show TCTO compliance. Report TCTO compliance in accordance with TO 00-20-2, Table 3-10, Rule 9.

c. FAA (Changes to Recorded Data):

The National Airway Systems Engineering Division, AOS-200, is responsible for authorizing individual software upgrades to the FAA regions and FAA NEXRAD facilities. This will be accomplished as software updates occur. Any additional questions concerning this matter should be directed to Dennis Roofe, Weather Products Branch, AOS-250, (405) 366-6590, ext. 3247.

NWS: EHB-6, Software Note 12
DoD: Memo-002
FAA: EEM Modification Handbook 6345.1 CHG 1, Chap 2

d. All Agencies:

In addition, complete attachment 2 and fax, mail, or e-mail information to:

- (1) Mail Address: System Support Branch, Configuration Management Section
 Operational Support Facility
 3200 Marshall Ave Suite 101
 Norman, Oklahoma 73072-8028

- (2) Fax Number: (405) 366-6553
 ATTN: Configuration Management Section

- (3) E-mail Address: chunt@osf.noaa.gov